

Docket No. 6321-202

COMBINED DECLARATION AND PRINCIPAL POWER OF ATTORNEY  
FOR PATENT APPLICATION

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below, next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

NANOSCALE EXPLOSIVE-IMPLOSIVE BURST GENERATORS  
USING NUCLEAR-MECHANICAL TRIGGERING OF  
PRETENSIONED LIQUIDS

the specification of which is attached hereto.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, § 1.56(a).

I hereby appoint the following attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

Vincent A. Branton	Registration No. 39,120
George L. Craig	Registration No. 29,293
J. Kenneth Davis	Registration No. 38,426
Joseph A. Marasco	Registration No. 32,798
James M. Spicer	Registration No. 26,096
Shelley L. Stafford	Registration No. 38,623
Kirk A. Wilson	Registration No. 45,939

{P1023626;1}P1023626;1

EXPRESS MAIL #EL920522133US

All of: UT-Battelle, LLC  
P. O. Box 2008  
Oak Ridge, Tennessee 37831-6498

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

(Appln. Serial No.)	(Filing Date)	(Status-patent, pending, abandoned)
_____	_____	_____

Please direct all correspondence and telephone calls to the individual identified in the Associate Power of Attorney.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under §1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of 1<sup>st</sup> inventor: Rusi P. Taleyarkhan

Signature: Rusi P. Taleyarkhan Date: 10-16-2001

Residence: Knoxville, TN

Post Office Address: 119 Federal Blvd., Knoxville, TN 37922

Citizenship: US

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Docket No. 6321-202

**ASSOCIATE POWER OF ATTORNEY  
FOR  
PATENT APPLICATION  
Pursuant to 35 C.F.R. §1.34**

Please recognize as Associate Attorney in this case:

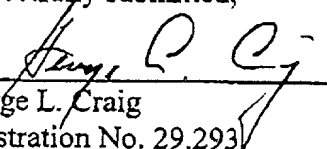
**NANOSCALE EXPLOSIVE-IMPLOSIVE BURST GENERATORS  
USING NUCLEAR-MECHANICAL TRIGGERING OF  
PRETENSIONED LIQUIDS**

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Please direct all correspondence and telephone calls to Gregory A. Nelson at 561-653-5000 and the above-referenced address.

Respectfully submitted,

  
\_\_\_\_\_  
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